

Converting Colors

$Yxy(12.3158, 0.5888, 0.3114)$

Have a look what the booklet for
Yxy(12.3158, 0.5888, 0.3114)
contains.

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Color

Yxy(12.3158, 0.5888, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	C31430
RGB	195, 20, 48
RGB Percent	76%, 8%, 19%
CMY	0.2353, 0.9213, 0.8117
CMYK	0.00, 0.90, 0.75, 0.24
HSL	350°, 81%, 42%
HSV	350°, 90%, 76%
XYZ	23.2869, 12.3158, 3.9471
YIQ	75.5170, 95.3120, 45.8080

Conversions

Conversions Part 2

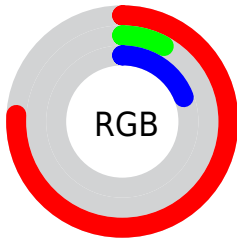
Format	Color
RYB	195, 20, 48
Decimal	12784688
CIELab	41.71, 64.10, 33.31
CIELCh	42, 72.242, 27.462
Yxy	12.3158, 0.5888, 0.3114
Android (android.graphics.Color)	4290974768 (0xFFC31430)
YUV	75.5170, -13.5659, 104.7866
Hunter-Lab	35.0939, 57.0313, 17.8973

Details

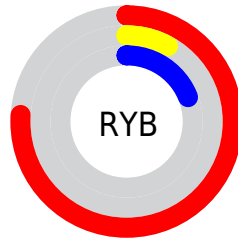
The Yxy color **12.3158, 0.5888, 0.3114** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **41.9653, 0.2391, 0.3746**, and the grayscale version is **7.1540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3805, 0.5208, 0.3261**, and **4.9931, 0.6365, 0.3280** is the 20% darker color. If you saturate the color by 10%, you get **11.7149, 0.6172, 0.3176**, and if you desaturate by 10%, it is **13.4637, 0.5511, 0.3068**.

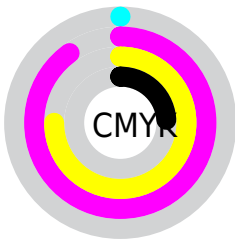
Distribution



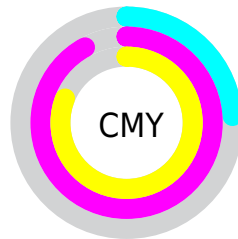
- Red (76%)
- Green (8%)
- Blue (19%)



- Red (76%)
- Yellow (8%)
- Blue (19%)



- Cyan (0%)
- Magenta (90%)
- Yellow (75%)
- Black (24%)





- Cyan (24%)
- Magenta (92%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3158, 0.5888, 0.3114 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.3158, 0.5888, 0.3114 by changing the saturation by 10% instead.


 12.3158, 0.5888,
0.3114


 12.3158, 0.5888,
0.3114


206.4849, 0.4250,
0.3353


 6.9591, 0.6357,
0.2963


 30.0690, 0.5237,
0.3258


 3.4366, 0.7039,
0.2732

 43.2343, 0.5007,
0.3293


 1.3637, 0.7752,
0.2248

 59.7712, 0.4820,
0.3316

 0.1897, 0.9174,
0.0826

 80.0643, 0.4666,
0.3330

 0.0000, 1.0000,
0.0000

 104.4978, 0.4536,
0.3340

 0.0000, 0.0000,
0.0000

 133.4561, 0.4426,

0.3346

167.3237, 0.4332,
0.3350

■ 12.3158, 0.5888,
0.3114

■ 12.3158, 0.5888,
0.3114

■ 11.7149, 0.6172,
0.3176

■ 13.4637, 0.5511,
0.3068

■ 11.6999, 0.6180,
0.3178

■ 15.3260, 0.5086,
0.3051

■ 17.9961, 0.4665,
0.3060

■ 21.5526, 0.4281,
0.3087

■ 26.0647, 0.3951,
0.3125

■ 31.5948, 0.3676,
0.3167

■ 38.1999, 0.3452,
0.3210

■ 45.9328, 0.3270,
0.3252

■ 54.8429, 0.3123,
0.3291

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.3158, 0.4816, 0.2359



12.3158, 0.5888, 0.3114



12.3158, 0.5803, 0.3950

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.3158, 0.5888, 0.3114



12.3158, 0.2472, 0.6039



12.3158, 0.1218, 0.1332

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.3158, 0.5888, 0.3114



41.9653, 0.2391, 0.3746

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.3158, 0.0931, 0.1631



12.3158, 0.5888, 0.3114



12.3158, 0.1461, 0.4297

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.3158, 0.5888, 0.3114



12.3158, 0.3716, 0.6017



12.3158, 0.0977, 0.2514



12.3158, 0.1918, 0.1384

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.3158, 0.5888, 0.3114



12.3158, 0.5311, 0.4652



12.3158, 0.0977, 0.2514



12.3158, 0.1084, 0.1386

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.3166, 0.5888, 0.3114



59.1286, 0.3621, 0.3177



12.5314, 0.2834, 0.1377



12.1126, 0.3706, 0.3162



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.3166, 0.5888, 0.3114



20.9350, 0.6207, 0.3193



17.1535, 0.5619, 0.3797



10.1035, 0.3264, 0.3253



7.6138, 0.6153, 0.3163



0.3374, 0.5598, 0.2858

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.3166, 0.5888, 0.3114



20.9350, 0.6207, 0.3193



21.8898, 0.1988, 0.2286



10.1035, 0.3264, 0.3253



7.6138, 0.6153, 0.3163



0.3374, 0.5598, 0.2858

Previews

White Background



This preview shows how the Yxy color 12.3158, 0.5888, 0.3114 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.3158, 0.5888, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.3158, 0.5888, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 12.3158, 0.5888, 0.3114.



This preview shows how white text looks on a background with the Yxy color 12.3158, 0.5888, 0.3114.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.3158, 0.5888, 0.3114

Protanopia

12.7574, 0.3662, 0.3933

Deuteranopia

12.6780, 0.4430, 0.4360



Tritanopia

12.2700, 0.6151, 0.3314

Trichromacy



Original Color

12.3158, 0.5888, 0.3114

Protanomaly

10.4408, 0.4596, 0.3436

Deuteranomaly

10.7784, 0.5151, 0.3690

Tritanomaly

12.2269, 0.6076, 0.3253

Monochromacy



Original Color

12.3158, 0.5888, 0.3114

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.1436, 0.4321, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3158, 0.5888, 0.3114 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 20, 48)` looks like.

```
.text, #text, p{  
    color:rgb(195, 20, 48)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 20, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 20, 48) }
```

Border

The CSS property to change the border of an element to Yxy 12.3158, 0.5888, 0.3114 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 20, 48) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(195, 20, 48) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(195, 20, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 20, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 20, 48);  
box-shadow:4px 4px 4px 4px rgb(195, 20,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3158, 0.5888, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 20, 48) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195, 20,  
48) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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